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NAMES OF NEW MACHINES SHOULD BE SPECIFIC

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New types of electric machines -- electric machine amplifiers -- are now very much in demand. Certain types of these amplifiers are known in literature under the names of "amplidyne," "rototrol," and "regulex." These terms do not indicate the basic characteristics of the machines. For example, the term "amplidyne," formed from the first letters of the words amplifier and dynamo does not indicate the difference between amplidyne and other electric machine amplifiers. These terms should be replaced by more rational ones. As a suggestion, the following designations, based on the characteristics of each machine, are recommended:

1. The name "amplifier with longitudinal transverse excitation" should be used for electric machine amplifiers with excitation along the direct and quadrature magnetic axes.
2. Amplifiers of the rototrol type, characterized by independently excited and self-excited windings, are machines with combined excitation. One should call them "amplifiers with combined excitation."
3. Amplifiers of the regulex type belong to the cascade systems of excitation (quadratic and cubic) and are characterized by the strongly saturated magnetic circuit. Therefore, it would be advisable to call them "amplifiers with saturated magnetic circuits." These changes are but one version of several possible designations which should be judged in the pages of this periodical.

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